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CLAIMS

What is claimed:

- An optical fiber enclosure, comprising:
 a housing having a front compartment and a bulkhead;
 - a plurality of optical adapters mounted to the bulkhead;
 - at least one optical coupler connector assembly coupled to at least one of the plurality of adapters.
- 2. The optical fiber enclosure of Claim 1 wherein the optical coupler connector assembly includes an optical coupler adjacent to a ferrule in the optical connector.
- 3. The optical fiber enclosure of Claim 1 wherein the optical coupler connector assembly further comprises at least two output ports.
- 4. The optical fiber enclosure of Claim 1 further comprising the optical coupler connector assembly located in each port in the enclosure.
 - 5. The optical fiber enclosure of Claim 1 wherein the bend radius of the optical coupler connector assembly does not exceed approximately 1.5 inches.
 - 6. An optical monitoring device comprising:

 an optical connector having at least one output port; and
 an optical coupler integral with the optical connector.
 - 7. The optical monitoring device of Claim 6 wherein the optical coupler is integrated adjacent to a ferrule in the optical connector.

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- 8. The optical monitoring device of Claim 6 further comprising a bend radius such that the device when coupled to an adapter in a conventional panel requires no additional frame space.
- 5 9. The optical monitoring device of Claim 8 wherein the bend radius does not exceed approximately 1.5 inches.
 - 10. An optical network system comprising:

a patch panel having a housing, the housing having a front compartment and a bulkhead, the bulkhead having a plurality of adapters; and

at least one optical coupler-connector assembly coupled to at least one of the plurality of adapters.

- 11. The optical network of Claim 10 further comprising a gigabit Ethernet.
- 12. The optical network system of Claim 10 wherein the optical couplerconnector assembly includes an optical coupler adjacent to a ferrule in the optical connector.
- 13. The optical network system of Claim 11 wherein the optical coupler connector assembly further comprises at least two output ports.
- 14. An optical tap, comprising:

 an optical connector having at least one output port; and
 an optical coupler integral with the optical connector.
- 15. The optical tap of Claim 14 wherein the optical coupler is integrated adjacent to a ferrule in the optical connector.

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- 16. The optical tap of Claim 14 further comprising a bend radius such that the device when coupled to an adapter in a conventional panel requires no additional frame space.
- 5 The optical tap of Claim 16 wherein the bend radius does not exceed approximately 1.5 inches.
 - 18. The optical tap of Claim 14 wherein the optical coupler comprises a quartz substrate.
 - 19. The optical tap of Claim 14 wherein the optical coupler comprises a glass waveguide.
 - 20. The optical tap of Claim 19 further comprising at least one channel for at least one of splitting and coupling an optical signal into a plurality of outputs.
 - 21. A wavelength division multiplexing assembly, comprising:

 an optical connector having at least one output port; and
 an optical coupler integral with the optical connector.
 - 22. The wavelength division multiplexing assembly of Claim 21 wherein the optical coupler is integrated adjacent to a ferrule in the optical connector.
- 23. The wavelength division multiplexing assembly of Claim 21 further comprising a bend radius such that the device when coupled to an adapter in a conventional panel requires no additional frame space and the bend radius does not exceed approximately 1.5 inches.

	24.	An optical power splitter, comprising:
		an optical connector having at least one output port; and
		an optical coupler integral with the optical connector.
5	25.	The optical power splitter of Claim 24 wherein the optical coupler is
		integrated adjacent to a ferrule in the optical connector.
	26.	The optical power splitter of Claim 24 further comprising a bend radius
		such that the device when coupled to an adapter in a conventional panel
10		requires no additional frame space.
	27.	A method of fabricating an optical tap device, comprising the steps of:
		fusing an optical coupler into a connector ferrule;
		joining the ferrule to a fiber to result in a fiber coupler-connector
15		assembly;
		curing the fiber coupler-connector assembly; and
		providing a protective shroud over the assembly.
	28.	An optical connector for coupling optical data signals, comprising:
20		a connector and splitter portion;
		at least a pair of optical cables extending from the connector and

splitter portion; and

from the connector and splitter.

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29. The optical connector of Claim 28 wherein the connector and splitter portion includes a coupler connector for joining at least one optical cable to a primary optical cable.

an optical connector at the distal end of each of the optical cables

- 30. The optical connector of Claim 29 wherein the connector and splitter portion has a ferrule and outer connection for connecting to an adapter of an optical fiber cassette.
- 5 31. The optical connector of Claim 28 wherein a first optical cable carries data at 1550 nm wavelength and a second optical cable carries data at 1310 nm wavelength.